

CLAIMS

What is claimed is:

1. A portable projector comprising:  
a housing having a generally tubular, portable shape the overall size and  
shape of a conventional flashlight; and  
slide projection means mounted within said housing for projected a slide  
image from a lens mounted on a anterior end of said housing.
  
2. The portable projector of Claim 1, wherein said slide projection means  
comprises a linear carousel mechanism for retaining a plurality of otherwise  
conventional projector slides.
  
3. The portable projector of Claim 2, wherein said linear carousel  
mechanism includes a guide rail that guides and articulates a plurality of slide  
gripping brackets that are spring urged by a slide advance spring tracked  
between each respective gripping bracket along said guide rail.
  
4. The portable projector of Claim 3, wherein each respective slide is  
articulated and urged forward toward a projector lamp near a projection lens  
means toward the front of said housing.

5. The portable projector of claim 1, wherein said housing further comprises an access door pivotally affixed to said housing such as to open in a clam-shell type manner to provide access to a housing internal cavity.

5       6. The portable projector of Claim 4, wherein said lamp assembly is pivotally articulated to said rail in such a manner that it can be pivoted up into position between a lead slide and a next available slide in said carousel, and as a new slide is urged forward by spring action an old slide is discharged.

